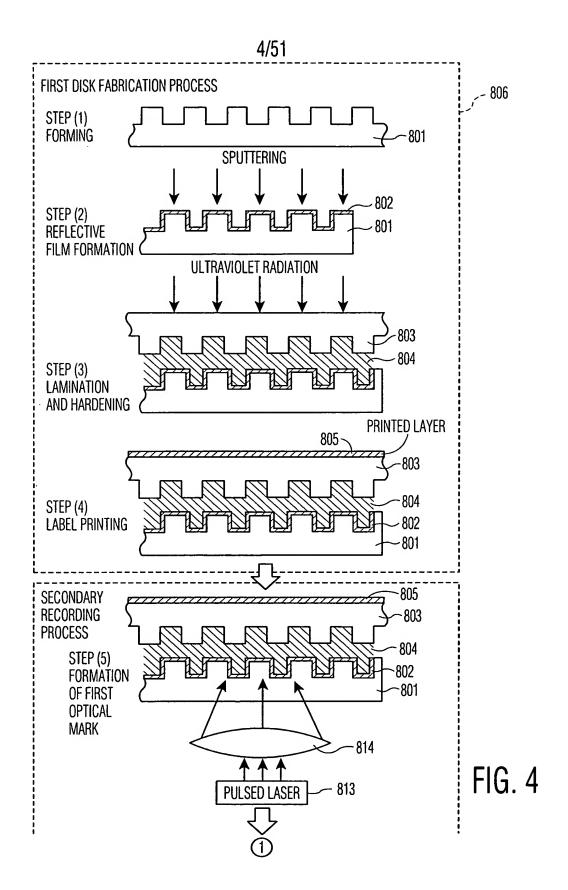


FIG. 3



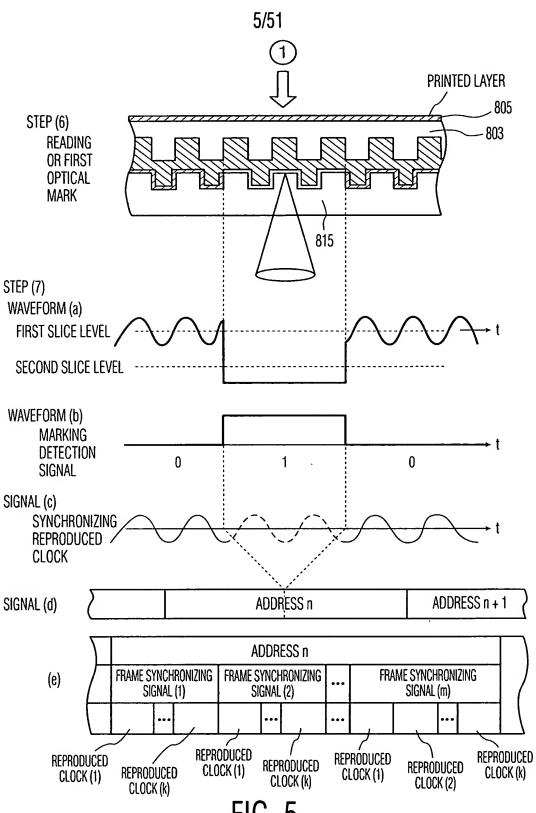
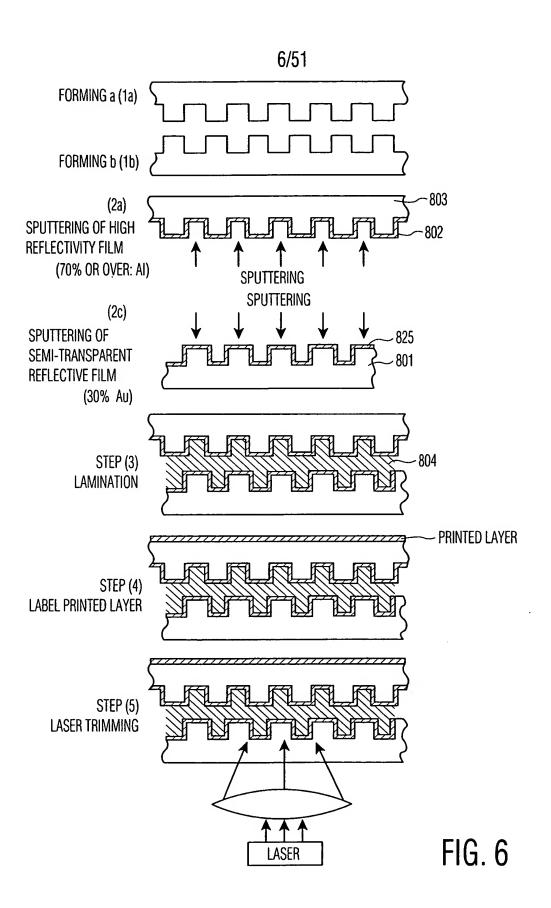
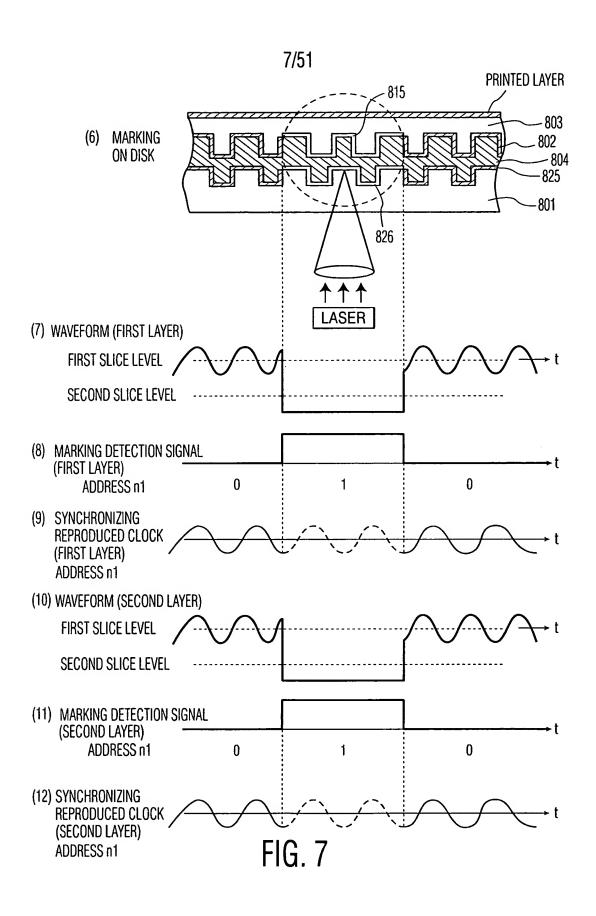
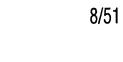
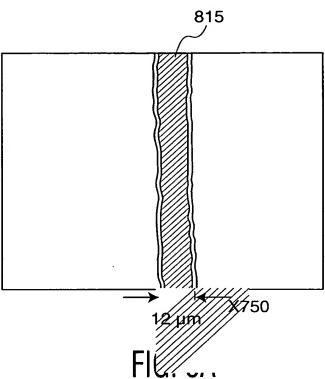


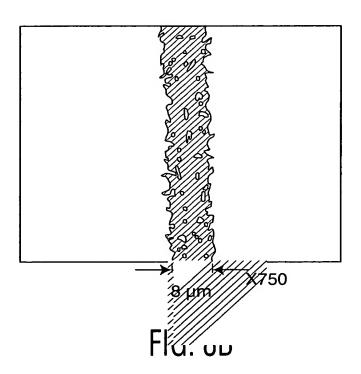
FIG. 5

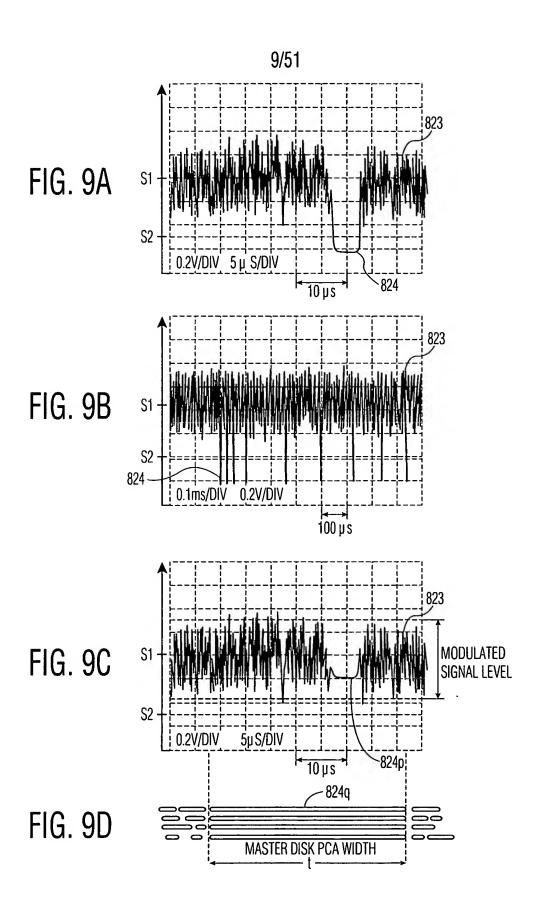




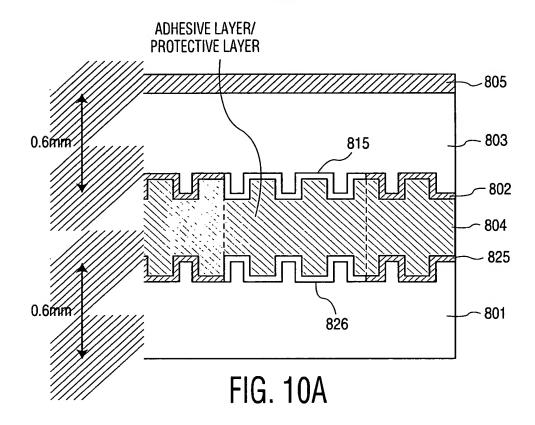


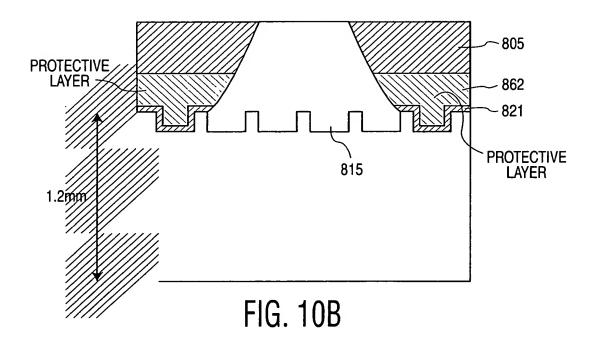




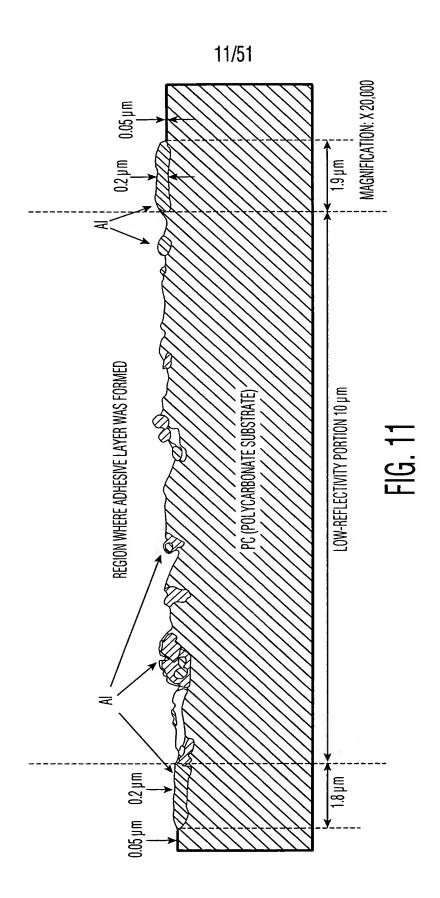


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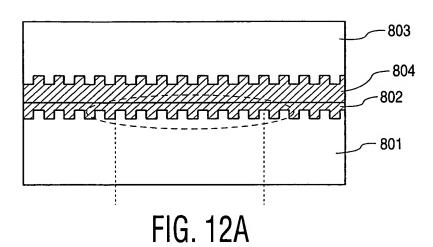




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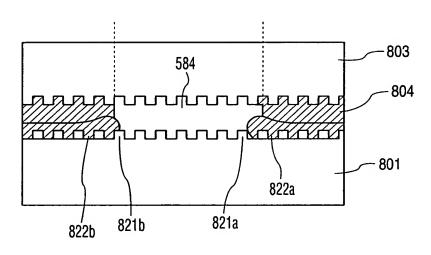
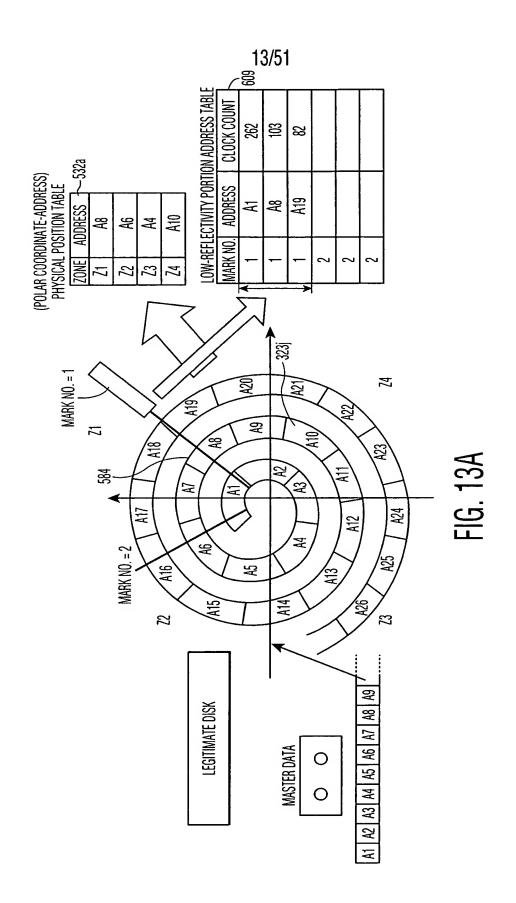
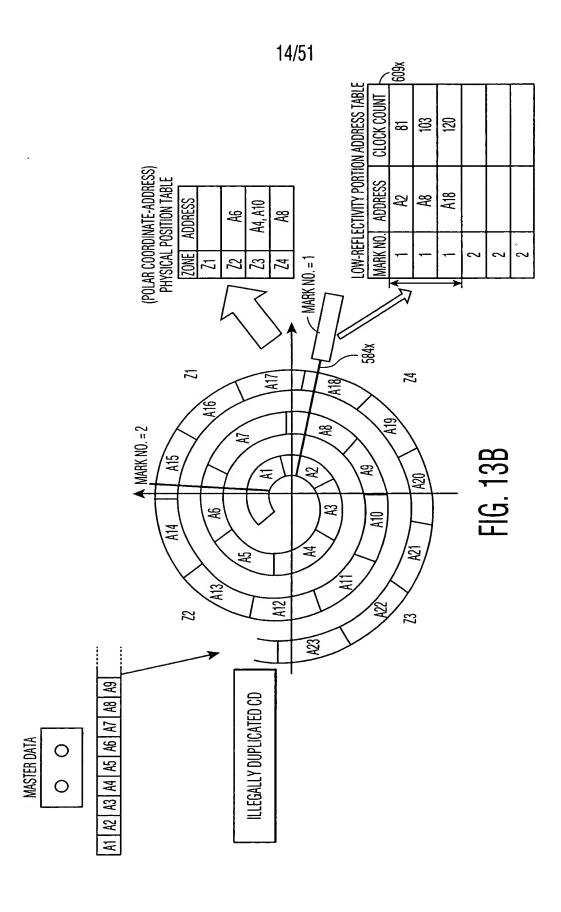


FIG. 12B





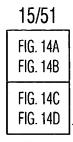
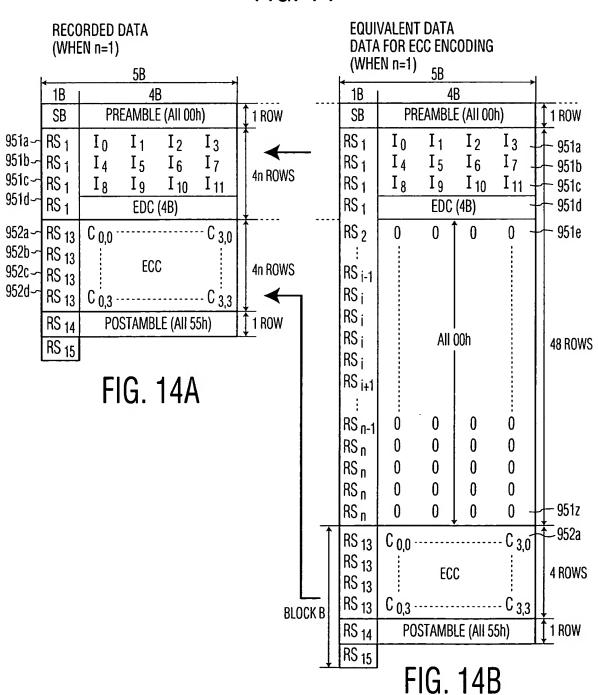


FIG. 14



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TYPICAL EQUATION FOR EDC COMPUTATION EDC (ERROR DETECTION CODE) :

EDC<sub>PCA</sub> (x)=
$$\int_{i=0}^{31} bi \cdot x^{i}$$
  
 $\int_{PCA} (x) = \int_{i=32}^{128n-31} bi \cdot x^{i}$ 

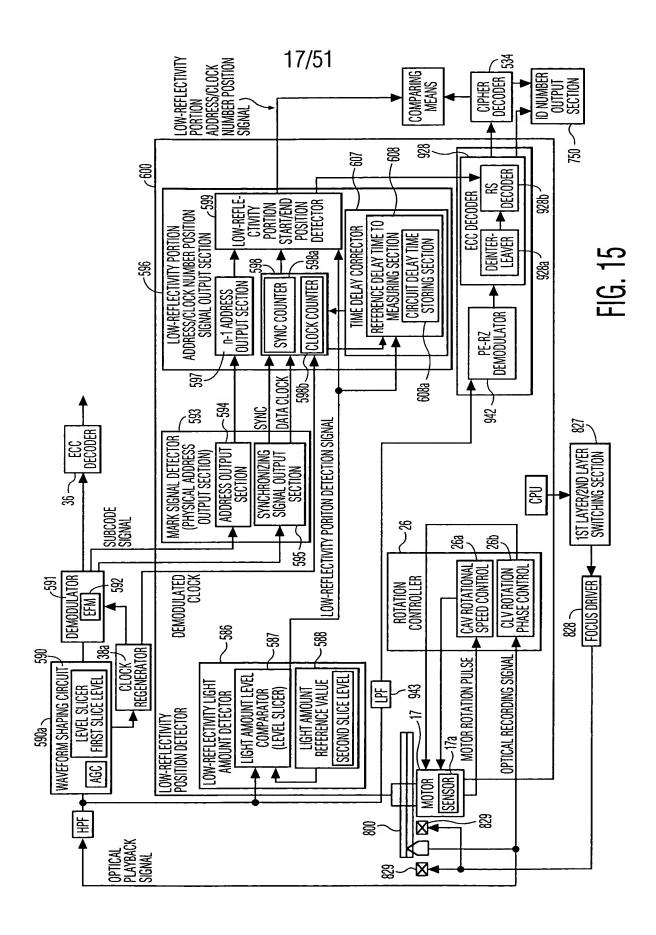
FIG. 14C

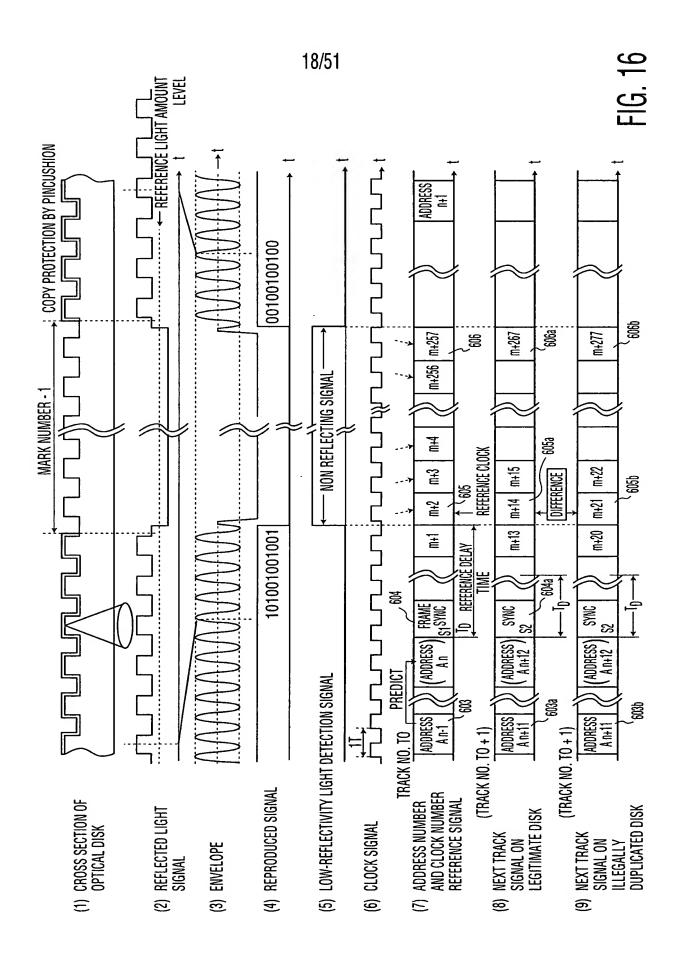
TYPICAL EQUATION FOR EDC COMPUTATION ECC (ERROR CORRECTION CODE) :

$$R_{PCA}(x) = \int_{i=48}^{51} I_{j+4i} \cdot x^{51-i}$$

$$I_{PCA}(x) = \int_{i=0}^{4n-2} I_{j+4i} \cdot x^{51-i} + D_{j} \cdot x^{52-4n},$$

FIG. 14D





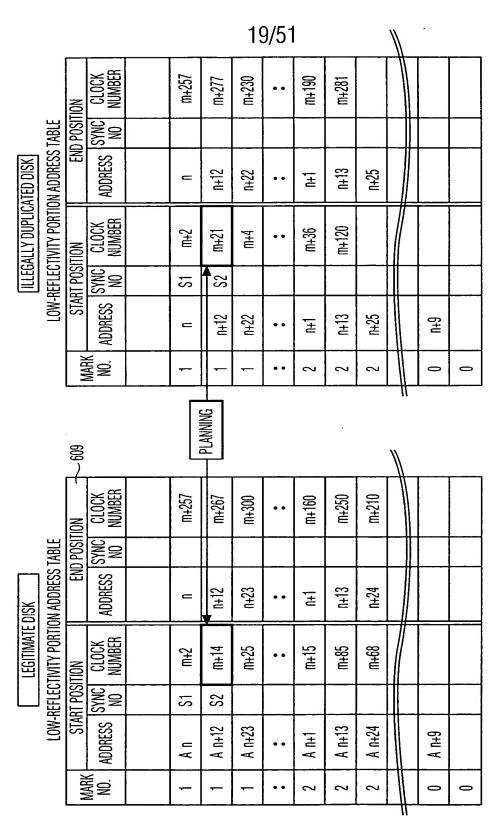
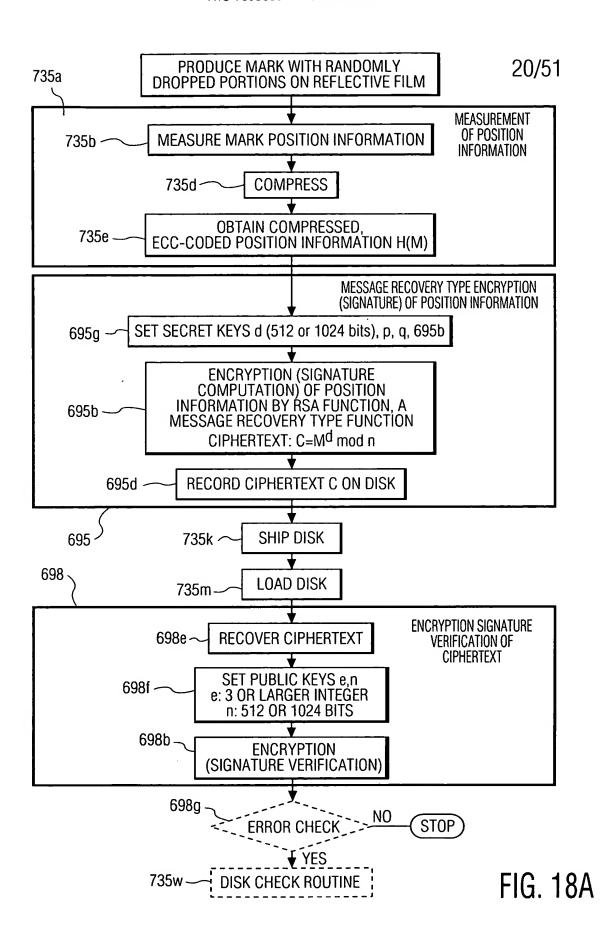


FIG. 17



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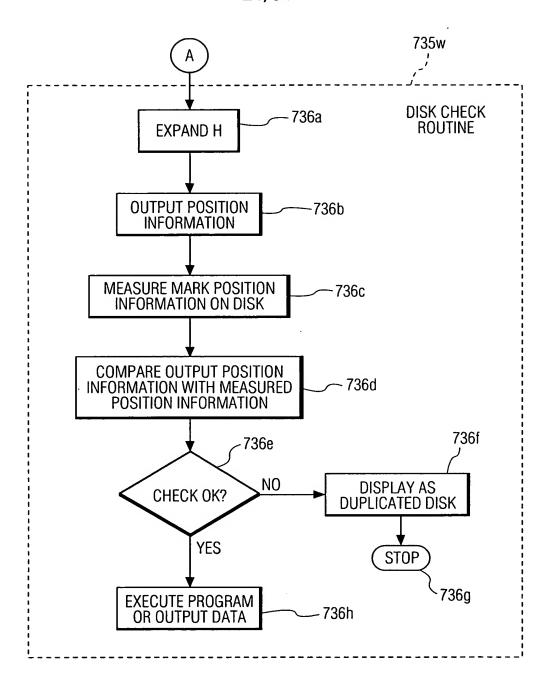
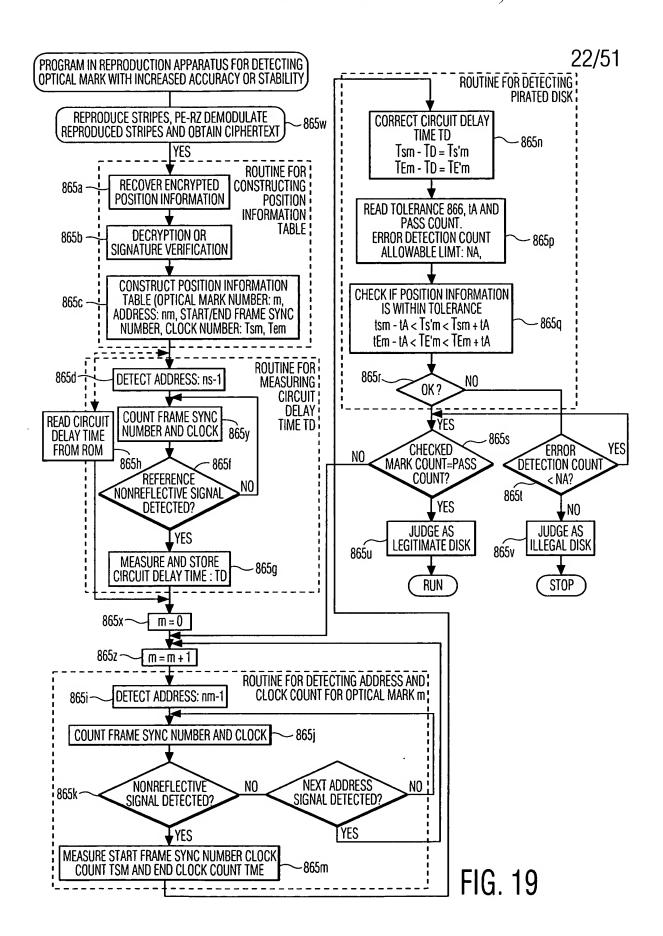
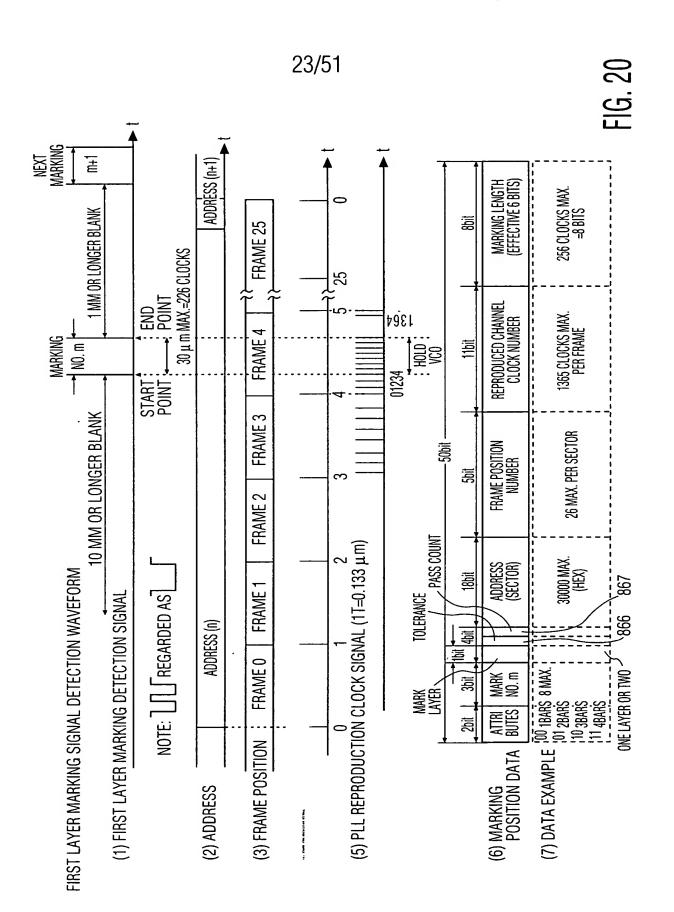
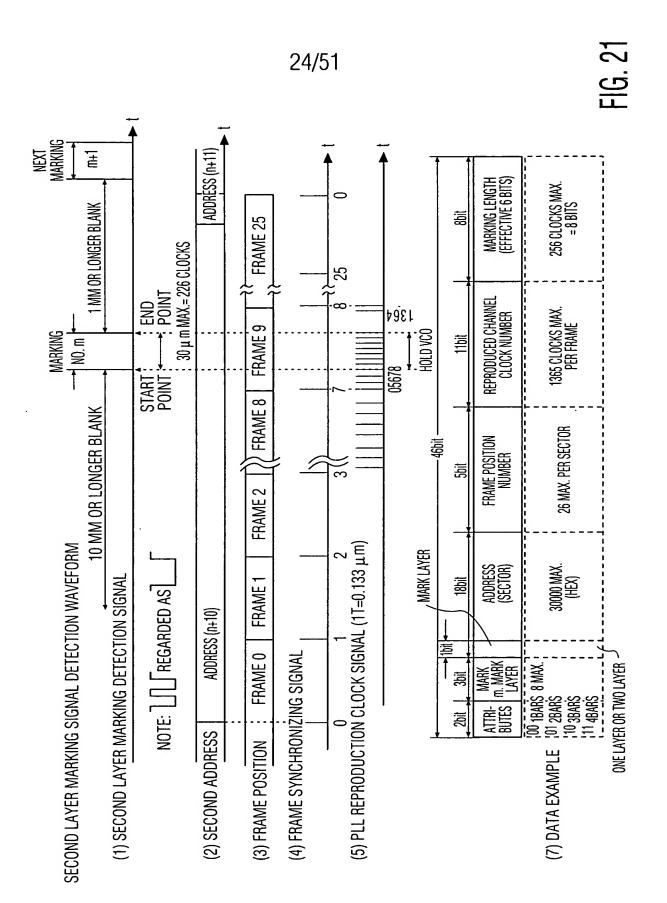
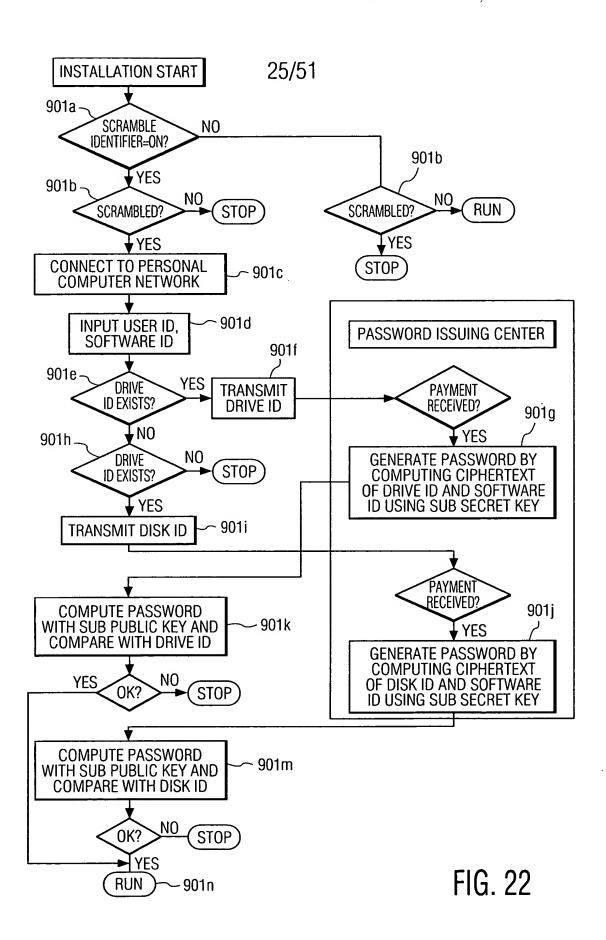


FIG. 18B

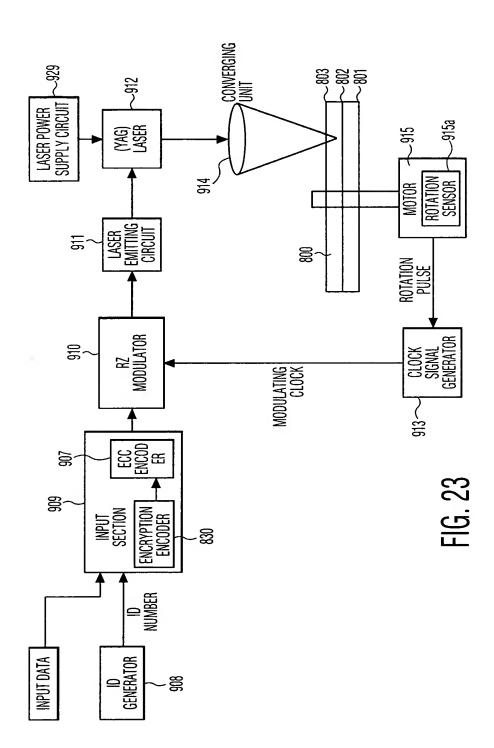


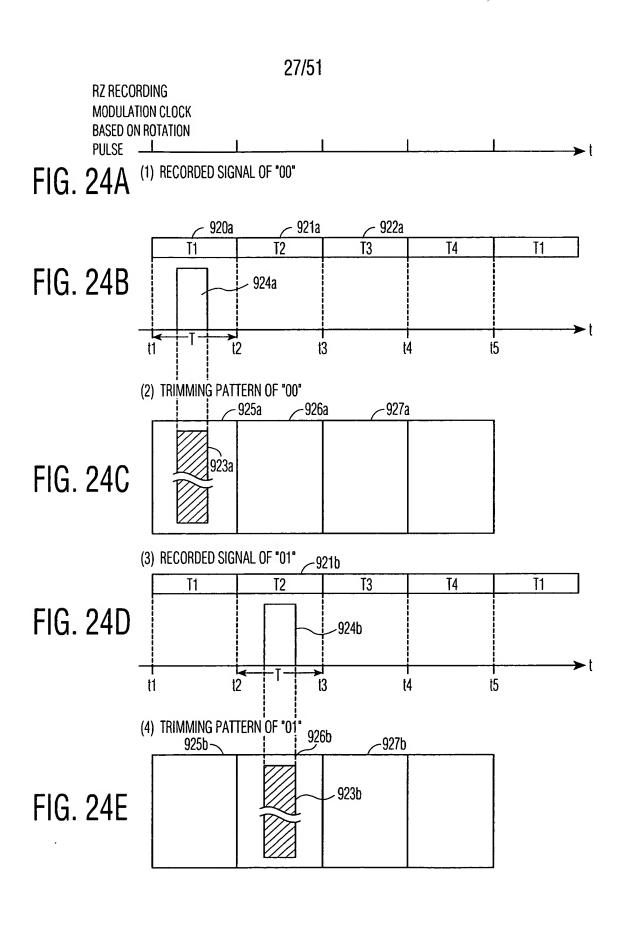






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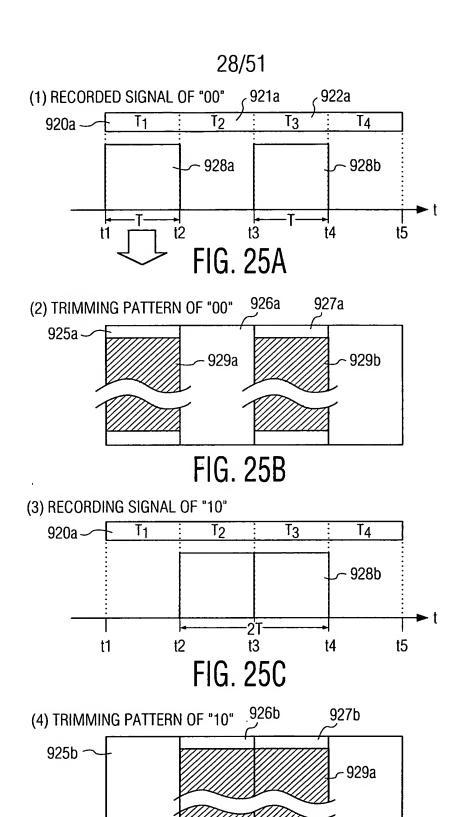
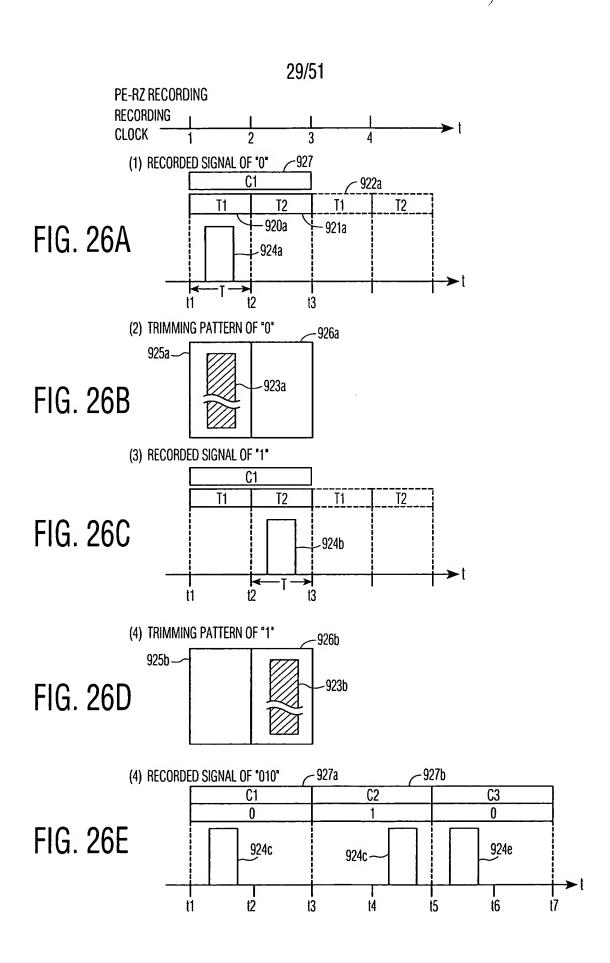
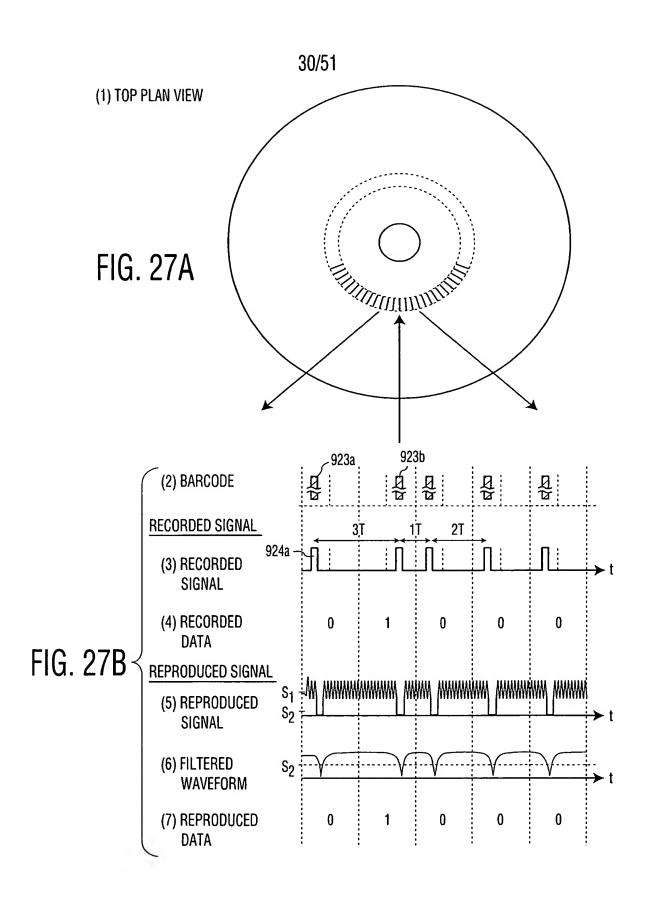
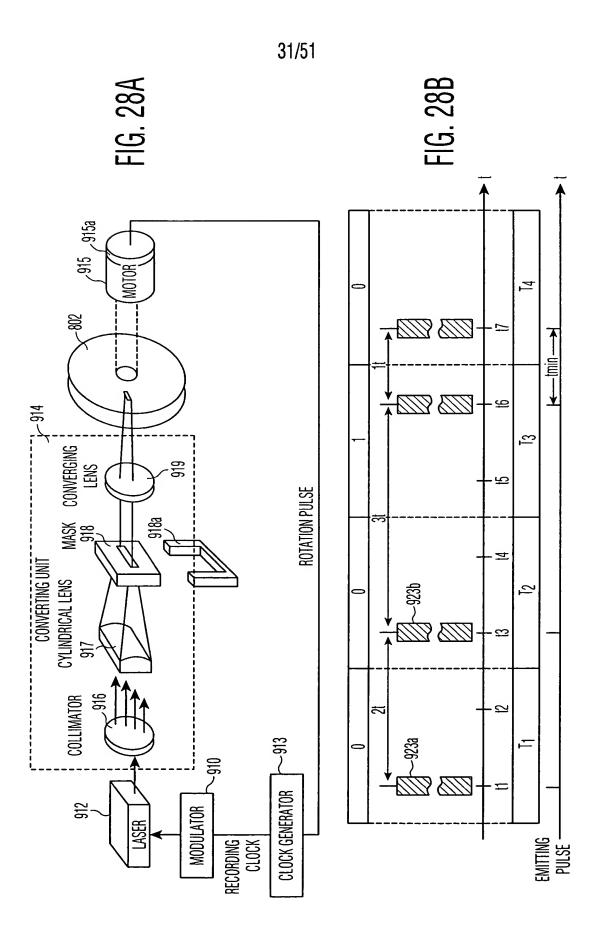
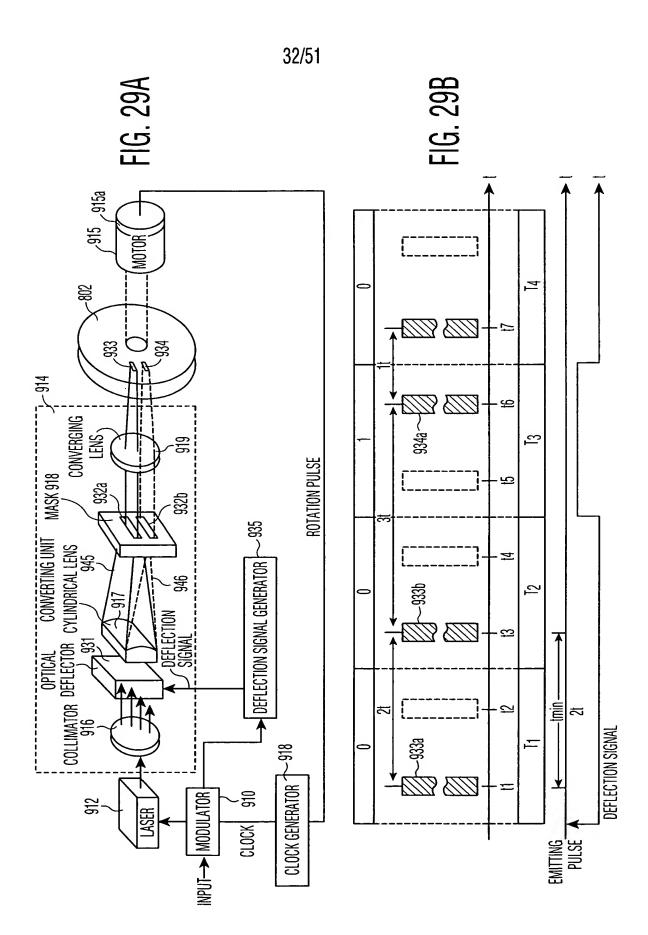


FIG. 25D

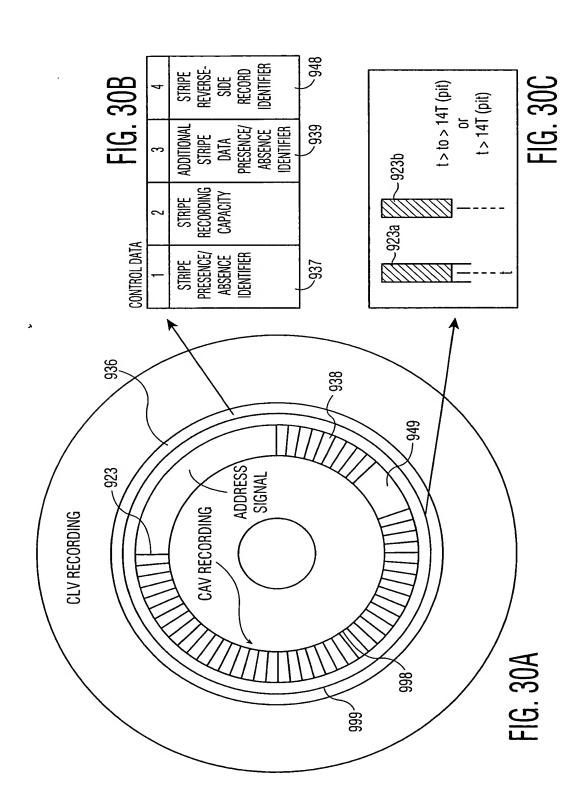








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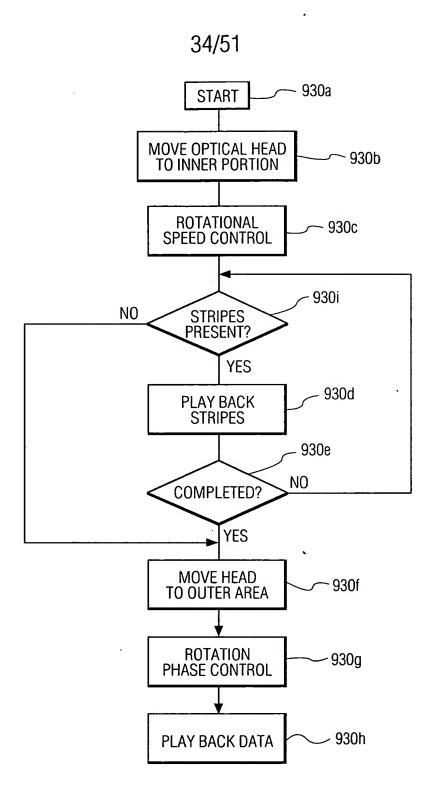
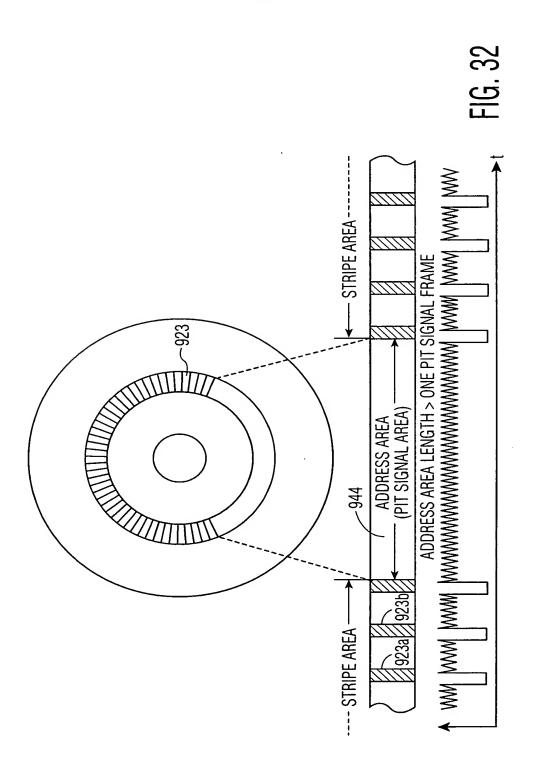
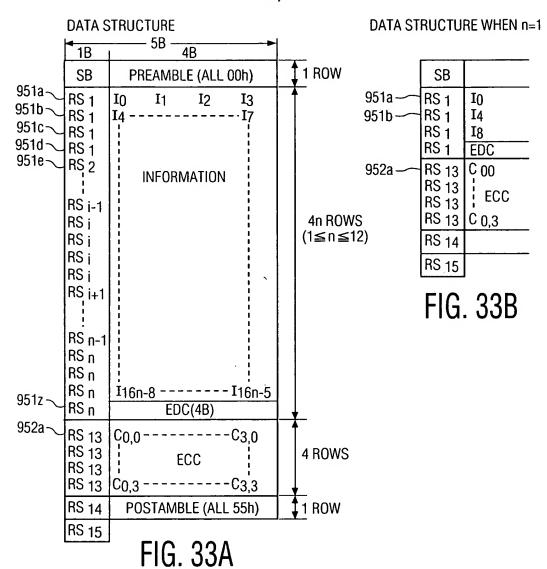


FIG. 31

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RANDOM ERROR CORRECTION CAPABILITY

THE STATE OF THE S	
BIT ERROR RATE BEFORE CORRECTION	READ ERROR RATE AFTER CORRECTION
10 -5	1 IN 10 <sup>10</sup> DISKS
10 <sup>-4</sup>	1 IN 10 <sup>7</sup> DISKS
10 -3	1 IN 10 <sup>4</sup> DISKS
BURST ERROR CORRECTION CAPABILITY	

FIG. 33C

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## SYNCHRONIZATION CODE DATA

## SYNCHRONIZATION CODE

	BIT PATTERN												
SYNC	FIXED PATTERN								SYNC CODE				
BYTE /RESYNC	(CHANNEL BIT)							(DATA BIT)					
MEDINO	C <sub>15</sub>	C <sub>14</sub>	C <sub>13</sub>	3 C <sub>12</sub>	C <sub>11</sub>	C <sub>10</sub>	ე Сე	$c_8$	b <sub>3</sub>	b <sub>2</sub>	b <sub>1</sub>	р0	
SB	0	1	0	0	0	1	1	0	0	0	0	0	
RS <sub>1</sub>	0	1	0	0	0	1 ;	1	0	0	0	0	1	
RS <sub>2</sub>	0	1	0	0	0	1	1	0	0	0	1	0	
•													
RSi	0	1	0	0	0	1	1	0			i		
			! !		<u>::</u>	!	1				:		
1 :			! ! !		:		 						
RS <sub>15</sub>	0	1	0	0	0	1	1	0	1	1	1	1	
					;			1		FIG. :	34A		
FIXED SYNCHRONIZATION PATTERN													
								1	TRIMMING COUNT IDENTIFIER				
	0	1	0	0	0	1	1	0	<b>⊸</b> RECOF	IDING BY F	IRST TRI	MMING	
	,     	اما	! !	4t	; ! !	_1	(0	1)	<b>←</b> RECOF	DING BY	SECOND T	RIMMING	947
			!		 		Л	1	→ F	IG. 3	34B	•	•
		Γį .		T <sub>2</sub>		Τġ	T,	4					

## MAXIMUM CAPACITY

	RECORDING CAPACITY	TOTAL BYTE COUNT	EFFICIENCY	RECORDING AREA ANGLE	UNRECORDED AREA ANGLE
MINIMUM	12B	41B	29.3%	51 DEGREES	309 Degrees
MAXIMUM	188B	271B	69.4%	336 DEGREES	24 DEGREES

FIG. 34C

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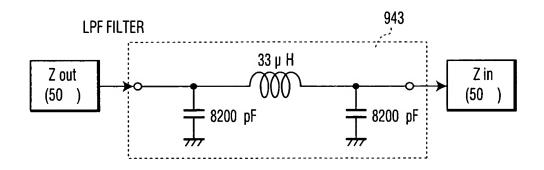


FIG. 35A

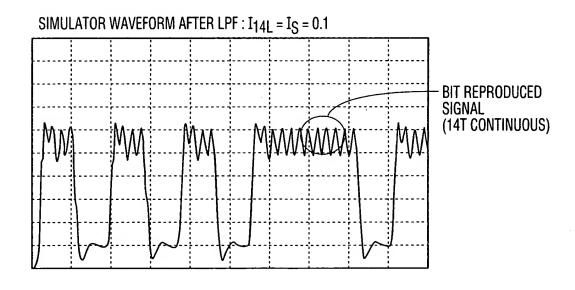
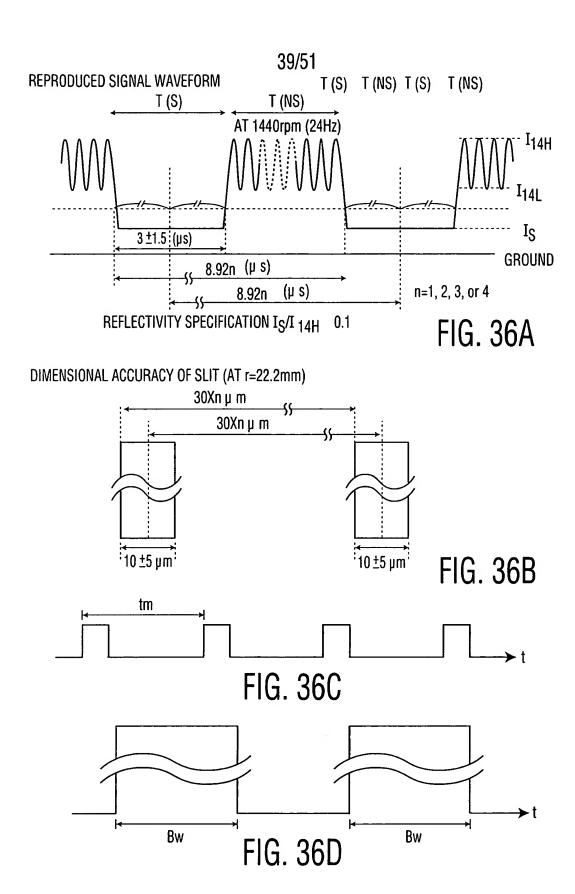
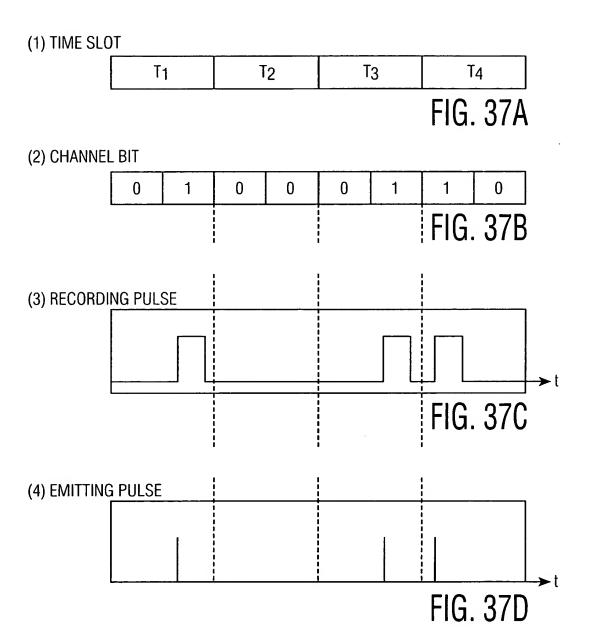


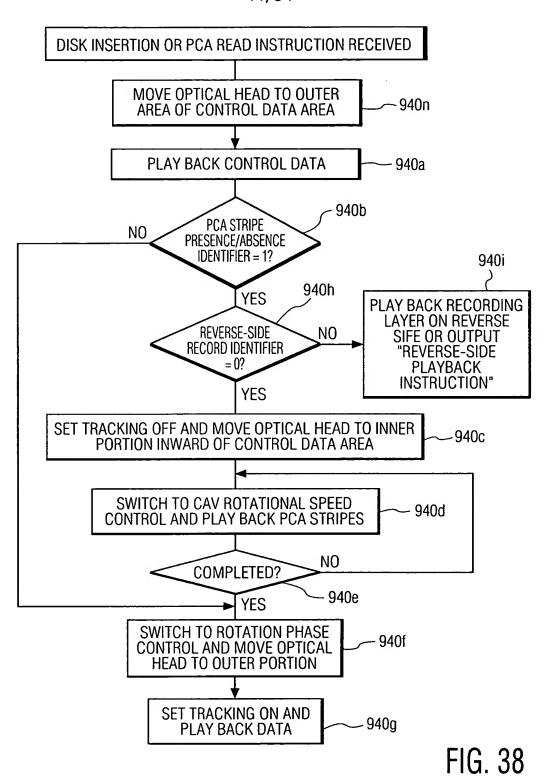
FIG. 35B



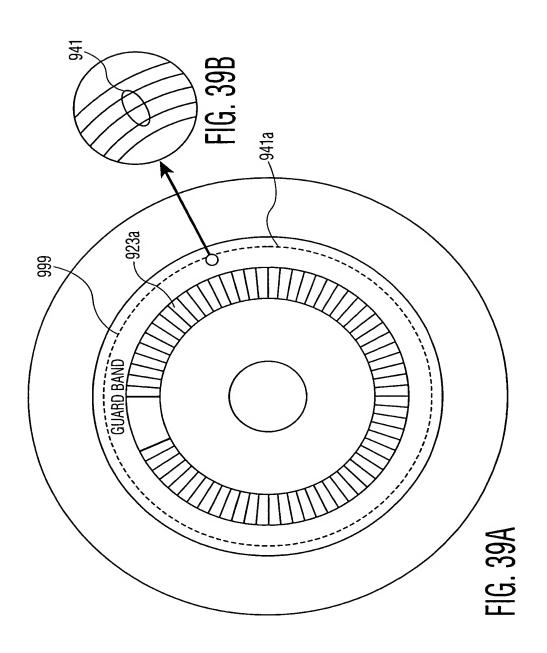
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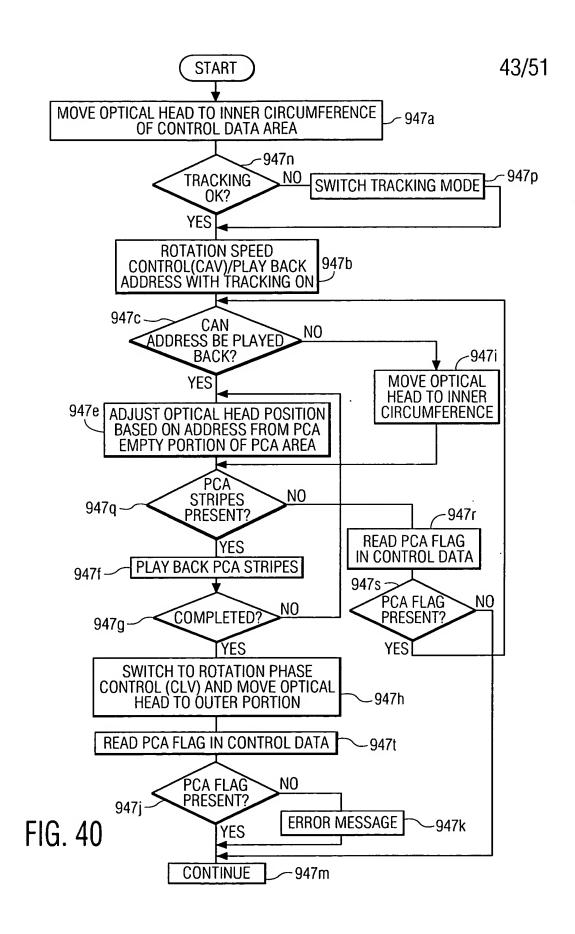


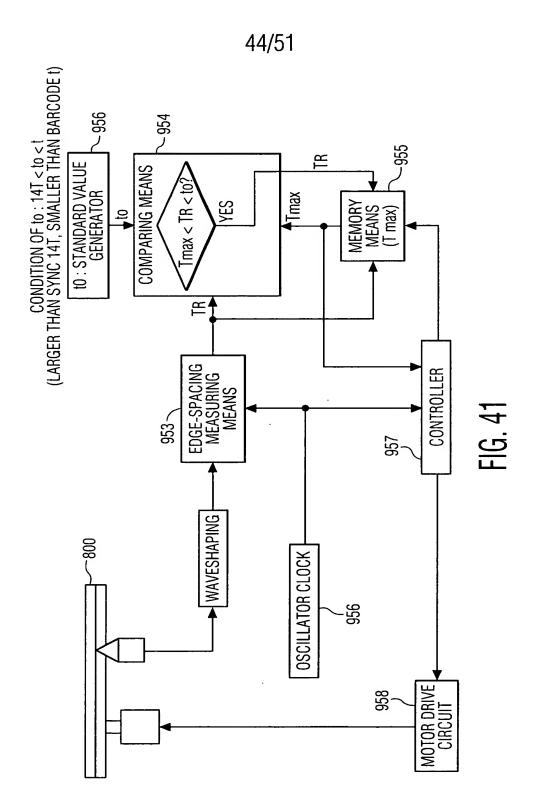
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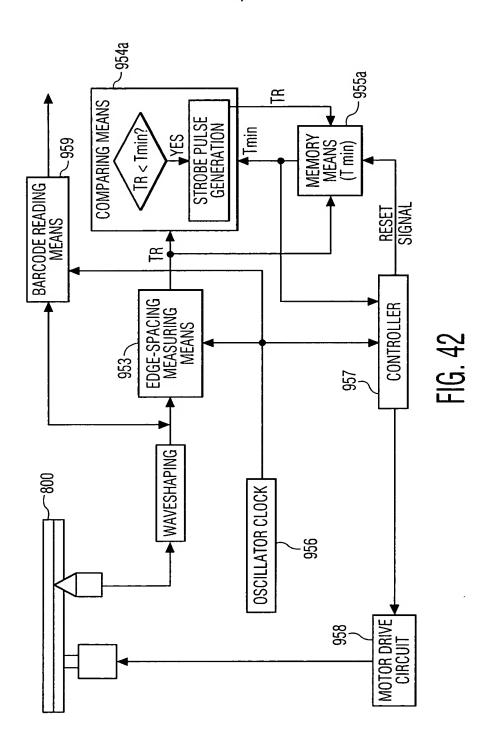
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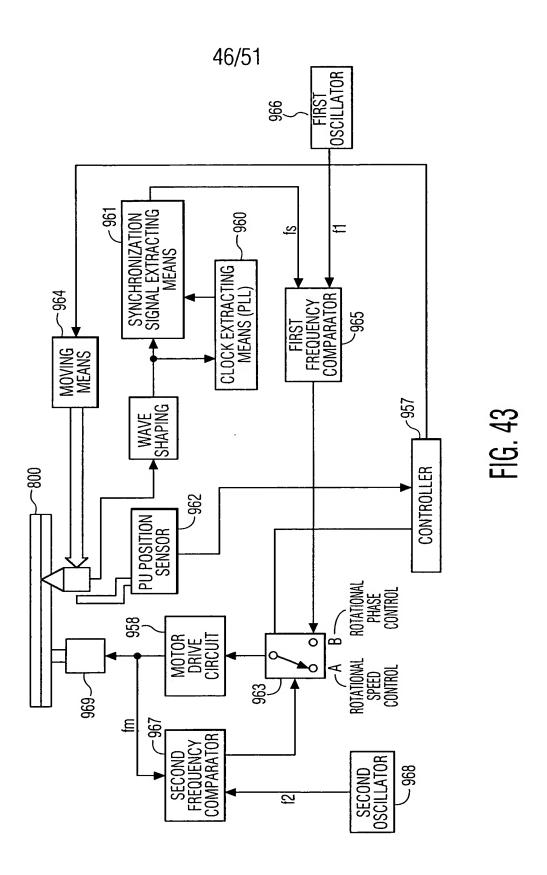






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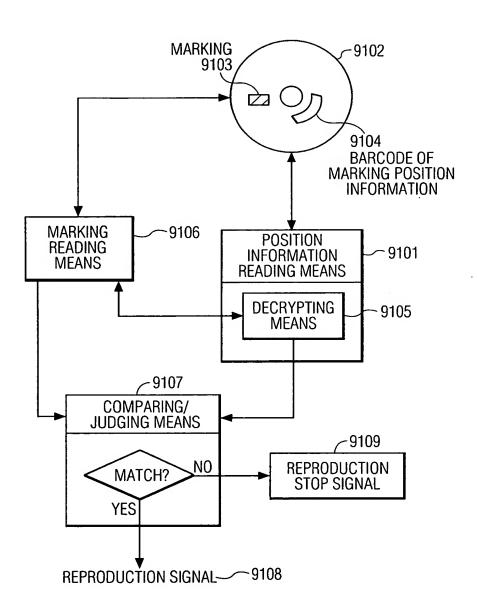
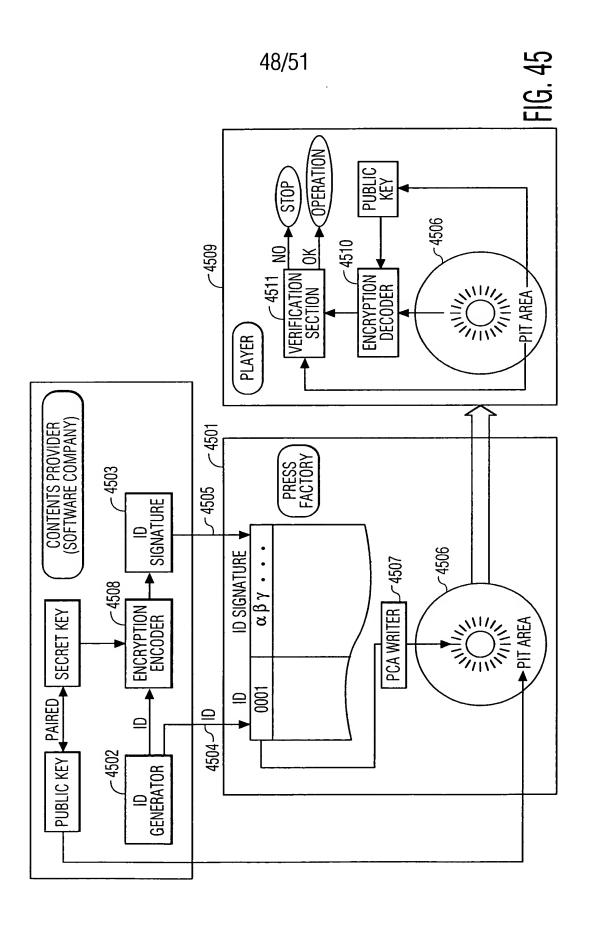
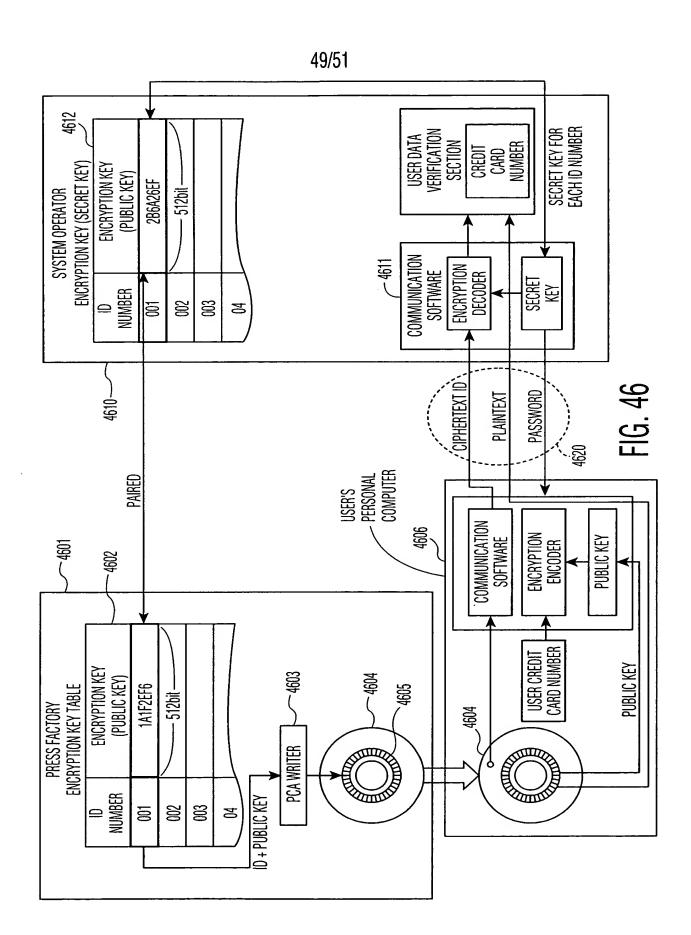


FIG. 44





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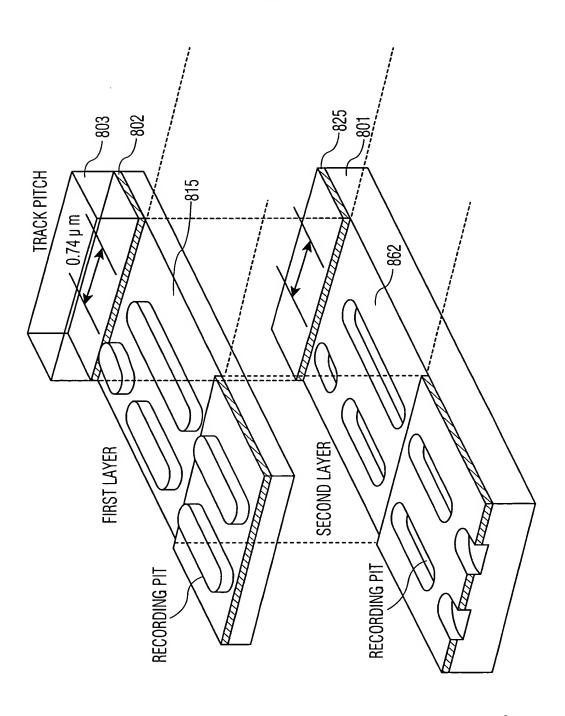


FIG. 47

